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APPLICATION NO.	F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/530,983	05/08/2000		GUSTAVO DECO	P000861	5072
21171	7590	07/28/2004		EXAMINER	
STAAS & I SUITE 700	HALSEY	LLP	OROPEZA, FRANCES P		
1201 NEW YORK AVENUE, N.W.				ART UNIT	PAPER NUMBER
WASHINGTON, DC 20005				3762	

DATE MAILED: 07/28/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	
Advisory Action	09/530,983	DECO ET AL.	O_{V}
Advisory Action	Examiner	Art Unit	
	Frances P. Oropeza	3762	
The MAILING DATE of this communication appe	ars on the cover sheet with the o	orrespondence addi	ess
THE REPLY FILED 28 June 2004 FAILS TO PLACE TH Therefore, further action by the applicant is required to av final rejection under 37 CFR 1.113 may only be either: (1) condition for allowance; (2) a timely filed Notice of Appeal Examination (RCE) in compliance with 37 CFR 1.114.	oid abandonment of this applica a timely filed amendment whicl	ation. A proper reply n places the applicat	to a tion in
PERIOD FOR RE	PLY [check either a) or b)]		
a) The period for reply expires 5 months from the mailing date			
b) The period for reply expires on: (1) the mailing date of this A no event, however, will the statutory period for reply expire Is ONLY CHECK THIS BOX WHEN THE FIRST REPLY WAS 706.07(f).	ater than SIX MONTHS from the mailing FILED WITHIN TWO MONTHS OF TH	g date of the final rejection.	on. See MPEP
Extensions of time may be obtained under 37 CFR 1.136(a). The fee have been filed is the date for purposes of determining the period o fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of t (2) as set forth in (b) above, if checked. Any reply received by the Offic timely filed, may reduce any earned patent term adjustment. See 37 C	f extension and the corresponding amo the shortened statutory period for reply be later than three months after the mail	unt of the fee. The appropriate of the final (opriate extension Office action; or
1. A Notice of Appeal was filed on Appellant's 37 CFR 1.192(a), or any extension thereof (37 CFF			
2. The proposed amendment(s) will not be entered be	ecause:		
(a) they raise new issues that would require further	er consideration and/or search (s	see NOTE below);	
(b) they raise the issue of new matter (see Note b	elow);		
(c) they are not deemed to place the application ir issues for appeal; and/or	n better form for appeal by mate	rially reducing or sim	nplifying the
(d) they present additional claims without canceling NOTE:	ng a corresponding number of fi	nally rejected claims	; .
3. Applicant's reply has overcome the following rejecti	ion(s):		
4. Newly proposed or amended claim(s) would canceling the non-allowable claim(s).	be allowable if submitted in a se	eparate, timely filed a	amendment
5. ☐ The a) ☐ affidavit, b) ☐ exhibit, or c) ☐ request for application in condition for allowance because: See	reconsideration has been consideration Sheet.	dered but does NOT	place the
6. The affidavit or exhibit will NOT be considered becaraised by the Examiner in the final rejection.	ause it is not directed SOLELY to	o issues which were	newly
7. For purposes of Appeal, the proposed amendment explanation of how the new or amended claims wo			nd an
The status of the claim(s) is (or will be) as follows:	•		
Claim(s) allowed:			
Claim(s) objected to:			
Claim(s) rejected: <u>1-18</u> .			
Claim(s) withdrawn from consideration:			
8. The drawing correction filed on is a) appr	oved or b) disapproved by the	ne Examiner.	
9. Note the attached Information Disclosure Statemen	•		
10. Other:			
angel. D. Ahr	Gran	vers P. Orope Vint 3762	L
ANGELA D. SYKES	Out	Unit 3/62	7/23/51

Continuation of 5. does NOT place the application in condition for allowance because:

The Applicant's arguments filed 6/28/04 have been fully considered but they are not convincing.

1) The Applicant asserts the motivation to combine the teachings of the references is not immediately apparent and the Examiner has the duty to present actual evidence and make particular findings related to the motivation to combine the teaching of the reference to explain why the cominations of the teachings is proper.

With each rejection and each response to the arguments, the Examiner has provided what is deemed to be clear reasoning regarding the motivation for combining the reference. The Examiner will again define the motivation for combining Ravdin et al with Smyth. Ravdin et al. disclose a method for predicting the future occurence of non-exsistent medical conditions (abstract, lines1-3) by evaluating data using a neural network so the medical condition can be predicted (col. 2 @ 43-50) enabling the selection of appropriate therapy (col. 1 @ 25-28). It is clear that an accurate and comprehensive understanding of the future disease state is important to Ravdin et al because it enables treatment to be provided to prevent or minimize the diseased state (col. 1 @ 25-34). Smyth teaches the prediction of future states using the catagories of faults, or in the instant case catagories of potential medical conditions, to identify what conditions might appear, the probability that these conditions will appear, and to determine if the disease conditions currently exist (abstract; col. 2 @ 37-53; col. 5 @ 46 - col. 6 @ 8). Given the Smyth teaching that the status of multiple potential disease states can be known, one would obviously be motivated to combine the teaching of Smyth with Ravdin et al. to have a more complete understanding of the patient's future health, this knowledge enabling robust decision making relative to potential treatments (abstract) and improving the reliablity and accuracy of the decision system that is predicting future states (col. 22 @ 66 - col.23 @ 1).

- 2)The Applicant asserts the obviousness modification rationale relies on unsupported conclusory motiation, and the rejection requires concrete evidence of motivation in the record be defined that would lead one skilled in the art to combine the relevant teachings. The Examiner disagrees that the motivation to combine is unsupported. As noted in paragraph 1) above, the rationale along with cited references is provided to give concrete evidence of the motivation to combine the references.
- 3) The Applicant asserts there must be some link between the solution in Smyth and the need/desire of the same in Ravdin et al., and the current rmodtivation only relates to the benefits of Smyth. The Examiner disagrees. As noted in paragraph 1) above, Ravdin et al. wants an optimum understanding of the disease condition, so treatment can be provided. Smyth optimizing the understanding of the patient's condition by providing knowledge of multiple potential disease states, hence the need/ desire is evident in Ravdin et al..
- 4) The Applicant asserts Smyth and Ravdin et al. do not disclose "information flow" because the "information flow of the instant invention "describes the development of a predictability of plural future states". The Examiner disagrees. As noted in paragraph 1) above, Smyth' teaching enables the understanding of "plural future states" which is the aspect of the limitiation that the Eaxminer understands is the focus of the Applicant assertion.
- 5) The Applicant asserts Smyth teaches estimating only the present state based on the determined probabilities (col 5 @ 46 col. 6 @ 8) versus the instant invention which "describes a development of a predictability of plural future system states". The Examiner disagrees. As discussed in paragraph 1) above, Smyth is read to teach "development of a predictability of plural future system states".
- 6) In response to the Applicant's arguments that the references fail to show certain features of the Applicant's invention, it is noted that the features upon which the Applicant relies (i.e., and exact mathematical definition discussed in the present invention, the inventions solution set, considering p steps into the future, a corresponding advanced and efficient method and its mathematical definition of the comparison of "information flow with "comparative information flow") are not recited in the rejected claims(s). Although the claims are interpreted in light of the specification, limitations from the specification are not read into the claims. See In re Van Geuns, 988 F.2d 1181, 26 USPQ2d 1057 (Fed. Cir 1993).

For the reasons of record and the discussion above, the rejection of record stands.